

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

DSI-10.03

In re Application of:	MacDonald, et al.	Attorney Docket No:	KCX-665 (19232)
Serial No:	10/686,933	Date:	March 17, 2004
Filed:	October 16, 2003	Art Unit:	1744
Confirmation No:	4589	Our Customer ID:	22827
Title:	Method For Reducing Odor Using Colloidal Nanoparticles	Our Account No:	04-1403

Commissioner for Patents
U.S. Patent and Trademark Office
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Sir:

The following is a Supplemental Information Disclosure Statement for the captioned patent application, pursuant to 37 CFR Sections 1.56, 1.97, and 1.98.

- 1.[x] Attached hereto is:
- a.[x] A list of materials for consideration per Rule 98(a)(1): 5 page(s)
 - b.[x] A legible copy of each patent, publication, or other item listed per Rule 98(1)(2), unless not required per Rule 98 and/or as indicated on the attached list(s):
129 item(s)
 - c.[] For each non-English language item listed, pursuant to Rule 98(a)(3), a concise explanation of the relevance thereof as it is presently understood by the individual designated in Rule 56(c) most knowledgeable about the content of such items: _____
[] Such explanation is provided in the Search Report from a corresponding application enclosed herewith along with any enclosed translation into English.
- 2.[x] This Information Disclosure Statement is being filed [CHECK ONE]:
- a.[x] WITHIN THREE MONTHS of the application filing date, national stage date of entry, or along with or after a request for continued examination, OR BEFORE the mailing date of a first Office Action on the merits, which ever event occurs last, WHEREFORE per Rule 97(b) NO filing fee or Rule 97(e) certificate is required.
 - b.[] AFTER the time periods of section 2.a above, but BEFORE a Final Action, Notice of Allowance OR an action that otherwise closes prosecution, WHEREFORE PER Rule 97(c) submitted herewith is [CHECK ONE]:
 - i.[] Certification per Rule 97(e); OR
 - ii.[] Filing Fee per Rule 17(p)\$180.00
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- [] Rule 97(e) Certification; per Rule 97(e), the undersigned certifying party make the following certification statement [CHECK ONE]:
- a.[] That each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; OR
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- 4.[x] DEPOSIT ACCOUNT AUTHORIZATION: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any fees in addition to the fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (deficiency only) now or hereafter relative to this application and the resulting official document under Rule 20, or credit any overpayment, to our Account No. shown in the heading hereof for which purpose a duplicate copy of this sheet is attached. This statement does not authorize charge of the issue fee in this case.

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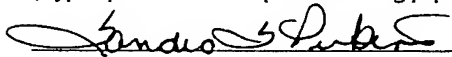
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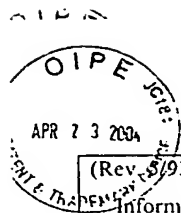
Date: April 20, 2004



Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)	Attorney Docket Number: KCX-665 (19232)	Serial Number: 10/686,933
	Applicant: MacDonald, et al.	
	Filing Date: October 16, 2003 Confirmation No: 4589	Group Art Unit: 1744

- NOTE: If no indication is made in the column marked "COPY NOTE," the required legible copy of the corresponding item is submitted herewith; otherwise, a copy is not required and/or not submitted, for the following reason(s) [corresponding reason number is listed in "COPY NOTE" column]"
- (1) This item is cumulative, per Rule 98(c)
 - (2) A copy of this item was previously cited by or submitted to the U.S. Patent and Trademark Office in:
 USSN _____, filed _____, or
 USSN _____, filed _____;
 Relied on under 35 U.S.C. Section 120, per Rule 98(d)
 - (3) Both reasons (1) and (2) apply
 - (4) No legible complete copy is possessed, in custody of controlled, or readily available
 - (5) Per the U.S. Patent and Trademark Office's waiver of Rule 98(a)(2)(i), the item is a U.S. patent or patent application publication, and the present application was filed after June 30, 2003.

U.S. PATENT DOCUMENTS											
EXAMINER INITIALS	PATENTEE NAME	PATENT NUMBER								ISSUE DATE	COPY NOTE
	Davis	R	E	3	0	7	9	7		11/17/1981	5
	Davis	R	E	3	0	8	0	3		11/24/1981	5
	Müller, et al.	2	0	1	5	8	6	4		10/01/1935	5
	Howard	2	5	9	3	1	4	6		04/15/1952	5
	Crowley	3	2	6	6	9	7	3		08/16/1966	5
	Satas	3	3	8	1	6	8	8		05/07/1968	5
	Brown, et al.	3	9	1	9	4	3	7		11/11/1975	5
	Brock, et al.	4	0	4	1	2	0	3		08/09/1977	5
	Walk, et al.	4	1	7	2	7	8	1		10/30/1979	5
	Farha, Jr., et al.	4	3	1	3	8	2	0		02/02/1982	5
	Appel, et al.	4	3	7	5	4	4	8		03/01/1983	5
	Tratnyek	4	4	0	7	9	6	0		10/04/1983	5
	Weisman, et al.	4	4	6	9	7	4	6		09/04/1984	5
	Hou	4	4	8	8	9	6	9		12/18/1984	5
	Kroyer, et al.	4	4	9	4	2	7	8		01/22/1985	5
	Raeburn	4	4	9	4	6	2	9		01/22/1985	5
	Ehlens, et al.	4	5	1	7	3	0	8		05/14/1985	5
	Mays	4	5	2	2	2	0	3		06/11/1985	5
	Hagiwara, et al.	4	5	2	5	4	1	0		06/25/1985	5
	Laursen, et al.	4	6	4	0	8	1	0		02/03/1987	5
	Johnson	4	6	4	3	8	0	1		02/17/1987	5
	Kidd	4	7	2	5	4	1	5		02/16/1988	5
	Hill	4	7	3	4	3	2	4		03/29/1988	5
	Hagiwara	4	7	7	5	5	8	5		10/04/1988	5
	Lau	4	8	1	8	4	6	4		04/04/1989	5
	Morell, et al.	4	8	2	3	4	0	4		04/25/1989	5
	Aoyama, et al.	4	9	7	8	6	1	5		12/18/1990	5
	Kurihara, et al.	5	1	0	8	7	3	9		04/28/1992	5
	Nakane, et al.	5	1	2	2	4	1	8		06/16/1992	5
	Potts, et al.	5	1	4	5	7	2	7		09/08/1992	5
	Collier, IV, et al.	5	1	6	9	7	0	6		12/08/1992	5
	Perkins, et al.	5	1	7	8	9	3	1		01/12/1993	5
	Uesaka, et al.	5	1	8	3	6	5	6		02/02/1993	5
	Timmons, et al.	5	1	8	8	8	8	5		02/23/1993	5
	Kaminsky, et al.	5	2	0	4	4	2	9		04/20/1993	5



(Rev. 12/92) Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)	Attorney Docket Number: KCX-665 (19232)	Serial Number: 10/686,933
	Applicant: MacDonald, et al.	
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	Ogale	5	3	0	0	3	6	5	04/05/1994	5
	Karapasha	5	4	0	7	4	4	2	04/18/1995	5
	Murai, et al.	5	4	2	7	8	4	4	06/27/1995	5
	Erderly, et al.	5	4	5	1	4	5	0	09/19/1995	5
	Obijeski, et al.	5	4	7	2	7	7	5	12/05/1995	5
	Naruo, et al.	5	4	8	0	6	3	6	01/02/1996	5
	Yim	5	4	8	6	3	5	6	01/23/1996	5
	Soerensen	5	5	2	7	1	7	1	06/18/1996	5
	Etherton, et al.	5	5	3	9	1	2	4	07/23/1996	5
	Parks	5	5	4	0	9	1	6	07/30/1996	5
	Krishnamurti, et al.	5	5	5	4	7	7	5	09/10/1996	5
	Emmons, et al.	5	6	6	3	2	2	4	09/02/1997	5
	McCormack	5	6	9	5	8	6	8	12/09/1997	5
	Brunner, et al.	5	7	3	3	2	7	2	03/31/1998	5
	Cook, et al.	5	8	1	7	3	0	0	10/06/1998	5
	English, et al.	5	8	3	7	3	5	2	11/17/1998	5
	Peterson, et al.	5	8	6	1	1	4	4	01/19/1999	5
	Lucas, et al.	5	8	7	4	0	6	7	02/23/1999	5
	Dodd, et al.	5	8	8	2	6	3	8	03/16/1999	5
	Peterson, et al.	5	8	8	5	5	9	9	03/23/1999	5
	Hanamoto, et al.	5	9	4	8	3	9	8	09/07/1999	5
	Kim, et al.	5	9	4	8	4	8	3	09/07/1999	5
	Oshima	6	0	0	4	6	2	5	12/21/1999	5
	Haffner, et al.	6	0	4	5	9	0	0	04/04/2000	5
	Welchel, et al.	6	0	4	7	4	1	3	04/11/2000	5
	Gillberg-LaForce, et al.	6	0	6	0	4	1	0	05/09/2000	5
	Pressley, et al.	6	0	7	3	7	7	1	06/13/2000	5
	McCormack, et al.	6	0	7	5	1	7	9	06/13/2000	5
	McCormack, et al.	6	1	1	1	1	6	3	08/29/2000	5
	McLaughlin, et al.	6	1	9	3	8	4	4	02/27/2001	5
	McCormack, et al.	6	2	3	8	7	6	7	05/29/2001	5
	Denkewicz, Jr., et al.	6	2	5	4	8	9	4	07/03/2001	5
	Gancet, et al.	6	2	7	7	7	7	2	08/21/2001	5
	Cohen, et al.	6	2	9	4	2	2	2	09/25/2001	5
	Aoyagi, et al.	6	2	9	9	8	6	7	10/09/2001	5
	McCormack, et al.	6	3	0	9	7	3	6	10/30/2001	5
	Dodd, et al.	6	3	4	4	2	1	8	02/05/2002	5
	Glaug, et al.	6	3	6	9	2	9	0	04/09/2002	5
	Coakley	6	4	2	5	5	3	0	07/30/2002	5
	Bosch, et al.	6	4	2	8	8	1	4	08/06/2002	5
	Yano, et al.	6	4	6	0	9	8	9	10/08/2002	5
	Wu, et al.	6	4	6	7	8	9	7	10/22/2002	5
	Sakaki, et al.	6	4	7	5	6	0	1	11/05/2002	5
	Proverb, et al.	6	4	9	1	7	9	0	12/10/2002	5
	Tomioka, et al.	6	5	1	7	1	9	9	02/11/2003	5
	Kato, et al.	6	5	3	6	8	9	0	03/25/2003	5
	Westman, et al.	6	5	5	1	4	5	7	04/22/2003	5
	Dobler, et al.	6	5	7	5	3	8	3	06/10/2003	5
	Brehm, et al.	6	6	2	3	8	4	8	09/23/2003	5
	Falat, et al.	6	6	3	9	0	0	4	10/28/2003	5
	Cramer, et al.	6	6	4	5	5	6	9	11/11/2003	5

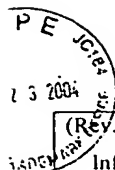
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Sheet 3 of 5

(Rev. 5/92) Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a)(1) (Use several sheets if necessary)	Attorney Docket Number: KCX-665 (19232)	Serial Number: 10/686,933
	Applicant: MacDonald, et al.	
	Filing Date: October 16, 2003 Confirmation No: 4589	Group Art Unit: 1744

U.S. PATENT APPLICATION PUBLICATIONS											
EXAMINER INITIALS	APPLICANT'S NAME	PUBLICATION NUMBER								PUBLICATION DATE	COPY NOTE
	Sherman	0	0	0	5	1	4	5		01/17/2002	5
	Soane, et al.	0	0	1	3	3	6	9		01/16/2003	5
	Guarracino, et al.	0	0	2	3	3	3	8		09/20/2001	5
	Hall-Puzio, et al.	0	0	3	1	2	4	8		10/18/2001	5
	Proverb, et al.	0	0	7	0	7	8	2		04/17/2003	5
	Cha, et al.	0	0	8	2	2	3	7		05/01/2003	5
	Hausmann, et al.	0	1	0	6	4	6	6		08/08/2002	5
	Dugan	0	1	1	0	6	8	6		08/15/2002	5
	Rohrbaugh, et al.	0	1	7	6	9	8	2		11/28/2002	5

FOREIGN PATENT DOCUMENTS															
EXAMINER INITIALS		COUNTRY	DOCUMENT NUMBER								PUBLICATION DATE	TRANSLATION			COPY NOTE
												YES	NO	N/A	
		WO	0	0	7	6	5	5	8	A1	12/21/2000			X	
		WO	0	2	0	6	2	8	8	1 A2	08/15/2002			X	
		WO	0	2	0	6	4	8	7	7 A2 & A3	08/22/2002			X	
		WO	0	2	0	8	3	2	9	7 A1	10/24/2002			X	
		WO	0	2	0	8	4	0	1	7 A1	10/24/2002			X	
		WO	0	2	0	9	5	1	1	2 A1	11/28/2002			X	
		WO	0	2	2	6	2	7	2	A1	04/04/2002			X	
		EP	0	2	3	2	1	4	1	A1	08/12/1987			X	
		WO	0	2	4	9	5	5	9	A2	06/27/2002		X		
		EP	0	2	5	1	7	8	3	B1	01/07/1988			X	
		WO	0	3	0	0	0	9	7	9 A2	01/03/2003			X	
		WO	0	3	0	2	5	0	6	7 A1	03/27/2002			X	
		WO	0	3	0	9	2	8	8	5 A1	11/13/2003			X	
		EP	0	3	4	8	9	7	8	A2	01/03/1990			X	
		EP	0	5	1	0	6	1	9	A1	10/28/1992			X	
		EP	1	0	5	3	7	8	8	B1	10/08/2003			X	
		EP	1	1	5	7	6	7	2	A1	11/28/2001			X	
		EP	1	2	9	8	0	7	1	A1	04/02/2003			X	

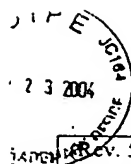


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	WO	8	9	0	2	6	9	8	A1	04/06/1989			X	
	WO	9	1	1	2	0	2	9	A1	08/22/1991			X	
	WO	9	1	1	2	0	3	0	A1	08/22/1991			X	
	WO	9	1	1	1	9	7	7	A1	08/22/1991			X	
	WO	9	6	1	9	3	4	6	A2 & A3	06/27/1996			X	
	WO	9	8	2	6	8	0	8	A2 & A3	06/25/1998			X	

*"NO" means that no copy of an English language translation is within the possession, custody, or control of, or is readily available to any individual designated in Rule 56(c).

EXAMINER INITIALS	OTHER DOCUMENTS	COPY NOTE
	Specify author (if any), Title, Pertinent Pages, Date & Place of Publication	
	Abstract of Japanese Patent No. 5106199	04/27/1993
	Abstract of Japanese Patent No. 9143872	06/03/1997
	Article – <i>Applicability of a SPME method for the Rapid Determination of VOCs</i> , Alexandre Béné, Jean-Luc Luisier, and Antoine Fornage, <i>Chimia</i> , Vol. 56, No. 6, 2002, pp. 289-291	
	Article – <i>Characterisation of novel modified active carbons and marine algal biomass for the selective adsorption of lead</i> , D.J. Malik, V. Sirelko, Jr., M. Streat, and A.M. Puziy, <i>Water Research</i> , Vol. 36, 2002, pp. 1527-1538	
	Article – <i>Significance of Ammonia in the Genesis of Gastric Epithelial Lesions Induced by Helicobacter pylori: An in vitro Study with Different Bacterial Strains and Urea Concentrations</i> , P. Sommi, V. Ricci, R. Fiocca, M. Romano, K.J. Ivey, E. Cova, E. Solcia, and U. Ventura, <i>Digestion</i> , Vol. 57, 1996, pp. 299-304	
	Article – <i>Ammonia vapour in the mouth as a diagnostic marker for Helicobacter pylori infection: preliminary "proof of principle" pharmacological investigations</i> , C. D. R. Dunn, M. Black, D. C. Cowell, C. Penault, N. M. Ratcliffe, R. Spence, and C. Teare, <i>British Journal of Biomedical Science</i> , Vol. 58, 2001, pp. 66-76	



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	Article – <i>Purification and Characterization of Urease from Helicobacter pylori</i> , Bruce E. Dunn, Gail P. Campbell, Guillermo I. Perez-Perez, and Martin J. Blaser, The Journal of Biological Chemistry, Vol. 265, No. 16, June 5, 1990, pp. 9464-1990		
	Article – <i>Validation of ¹³C-Urea Breath Test for the Diagnosis of Helicobacter Pylori Infection in the Singapore Population</i> , T. S. Chua, K. M. Fock, E. K. Teo, T. M. Ng, Singapore Medical Journal, Vol. 43, No. 8, 2002, pp. 408-411		
	Article – <i>Significance of ammonia produced by Helicobacter pylori</i> , Shigeji Ito, Yoshihiro Kohli, Takuji Kato, Yoshimichi Abe, and Takashi Ueda, European Journal of Gastroenterology & Hepatology, Vol. 6, No. 2, 1994, pp. 167-174		
	Article – <i>Spectrophotometric Assay of Thiols</i> , Peter C. Jocelyn, Methods in Enzymology, Vol. 142, 1987, pp. 44-67		
EXAMINER		DATE CONSIDERED	
Examiner: initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.			